I CLAIM:

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1	1.	A bicycle carrier for supporting a bicycle with
2		respect to a motor vehicle, said bicycle having a seat
3		receptacle with an inside diameter comprising:
4		a carrier frame supported on a motor vehicle;

a bicycle supporting rod having a bicycle seat receptacle contacting portion which has a narrow end and a wide end and said bicycle supporting rod being supported by said frame and oriented so that the narrow end is oriented outwardly from said carrier frame and said bicycle seat receptacle contacting portion having an outer periphery sufficiently small to fit within said seat receptacle and said wide end of said bicycle seat receptacle contacting portion being larger than said receptacle; and

means for supporting said frame on said vehicle.

2. The bicycle carrier of claim 1 wherein said bicycle seat receptacle contacting portion is frusto conical in shape and comprises a frusto conical portion.

- 3. The bicycle carrier of claim 2 wherein said frusto conical portion has a cone apex angle between about zero and five degrees.
- 4. The bicycle carrier of claim 3 wherein said cone apex angle is about three degrees.
- 5. The bicycle carrier of claim 1 wherein said bicycle seat receptacle contacting portion has a length of between four and seven inches.
- 6. The bicycle carrier of claim 5 wherein said bicycle seat receptacle contacting portion has a length of about six inches.
- 7. The bicycle carrier of claim 2 wherein said bicycle rod has a cylindrical length at a distal end of said bicycle support rod and an outside diameter of said cylindrical length is equal to an outside diameter of said narrowed end of said frusto conical portion.

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8. The bicycle carrier of claim 1 wherein said carrier frame is supported by a tow hitch receptacle.

- The bicycle carrier of claim 8 wherein said carrier frame has a length of square tubing supported by a tow hitch receptacle which length of square tubing supports a generally vertical structural member which supports a generally horizontal structural member which supports at least one bicycle supporting rod.
 - 10. The bicycle carrier of claim 9 wherein said generally horizontal structural member supports a plurality of bicycle supporting rods.
 - 11. The bicycle carrier of claim 9 wherein said at least one bicycle supporting rod is affixed to a collar which includes means for being clamped onto said generally horizontal structural member.
 - 12. The bicycle carrier of claim 9 wherein said bicycle supporting rod is positioned at a slightly upward angle with respect to the horizontal.
 - 13. The bicycle carrier of claim 12 wherein said angle is about 15 degrees.
- 1 14. The bicycle carrier of claim 8 wherein said
 2 carrier frame has a length of square tubing supported

by the tow hitch receptacle which length of square

tubing supports a generally vertical structural member

which supports at least one bicycle supporting rod.

15. A process for transporting a bicycle on a motor vehicle said bicycle having a bicycle seat held in a bicycle seat receptacle, said process comprising:

affixing at least one bicycle supporting rod to a frame movable with a motor vehicle said bicycle supporting rod being affixed so that a distal end of said bicycle supporting rod points outwardly, said bicycle supporting rod having a bicycle seat receptacle contacting portion;

removing said bicycle seat from said bicycle seat receptacle;

inserting said bicycle seat receptacle over said bicycle seat receptacle contacting portion; and

tightening said seat receptacle against said bicycle supporting rod.

16. The process of Claim 15 wherein said bicycle seat receptacle contacting portion has a narrowed portion smaller than said bicycle seat receptacle and a widened portion larger than said seat receptacle and said narrowed end being oriented outwardly and said

6	inserting step includes moving said bicycle seat
7	receptacle toward said widened portion until it will
8	move inwardly no further.